

**INFORMATION PROCESSING DEVICE FOR DIVER, CONTROL  
METHOD, CONTROL PROGRAM AND RECORDING MEDIUM  
THEREOF, DIVING EQUIPMENT, AND CONTROL METHOD OF  
DIVING EQUIPMENT**

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**ABSTRACT OF THE DISCLOSURE**

10 An information processing device for a diver used for diving by using a plurality of  
mixed gases in which the mixture ratios of a plurality of diving gases are the same or different  
determines the switch timing of the mixed gas on the basis of a preset scheduled dive pattern  
and an actual dive pattern up to present. A notification is issued regarding the switch timing  
and information for specifying the mixed gas to which a switch is to be made based on this  
switch timing. When the diver selects one of the cylinders as the cylinder to which the switch  
is to be made and in which the mixture ratio of the diving gas is different, processing is  
carried out that prohibits switching to the selected cylinder when it is determined that the  
15 selected cylinder may create a danger of oxygen deficiency or oxygen poisoning.